```php
1  <?php
2  /**
3   * @author GOLAY Brian
4   * @version 1.0 (2021/05/20)
5   * CSV Generation page here
6   */
7
8  use FlightClub\sql\DBConnection;
9  use FlightClub\sql\UserDAO;
10 use FlightClub\sql\FlightDAO;
11
12 require_once './sql/dbConnection.php';
13 require_once './sql/userDAO.php';
14 require_once './sql/flightDAO.php';
15
16
17 //we check if the user is already loged-in
18 if (!isset($_SESSION['userID'])) {
19     header("Location: ./index.php?page=homepage");
20     exit();
21 }
22
23 //initialize the name of the column in the csv
24 $nameColumn = "";
25
26 //we get all flight from the current user
27 $userFlight = FlightDAO::getAllUserFlightByUserId($_SESSION['userID']);
28
29 //we check if the user is already loged-in
30 if (!isset($_SESSION['userID'])) {
31     header("Location: ./index.php?page=homepage");
32     exit();
33 }
34
35
36 function cleanData($str)
37   {
38     if($str == 't') $str = 'TRUE';
39     if($str == 'f') $str = 'FALSE';
40     if(preg_match("/^0/", $str) || preg_match("/^\+?\d{8,}$/", $str) ||
   preg_match("/^\d{4}.\d{1,2}.\d{1,2}/", $str)) {
41         $str = "'$str";
42     }
43     if(strstr($str, '"')) $str = '"' . str_replace('"', '""', $str) . '"';
44   }
45
46
47  /**
48   * Function that take the time of each flight and put it in a total time
49   *
50   * @param array $flight
51   * @return string
52   */
53 function computeTotal($flight)
54 {
55     $totalMinutes = 0;
56     $totalHour = 0;
57     foreach ($flight as $key => $value) {
58
```

```php
59          $totalMinutes += computeTotalTime($value['Dttm_Departure'],
   $value['Dttm_Arrival']);
60      }
61
62      $totalHour = floor($totalMinutes / 60);
63
64      $totalMinutes = ($totalMinutes - (60 * $totalHour));
65
66
67      $hour_padded = sprintf("%02d", $totalHour);
68      $minutes_padded = sprintf("%02d", $totalMinutes);
69
70      return $hour_padded . ":" . $minutes_padded;
71 }
72
73
74 /**
75  * Function that compute a flight time on with date and hour. Found logic on
   stackoverflow and adapted it a bit:
   https://stackoverflow.com/questions/5463549/subtract-time-in-php
76  *
77  * @param string $Dt_Departure
78  * @param string $Dt_Arrival
79  * @return string
80  */
81 function computeTotalTime($Dt_Departure, $Dt_Arrival)
82 {
83      $start = strtotime($Dt_Departure);
84      $end = strtotime($Dt_Arrival);
85
86      //If you want it in minutes, you can divide the difference by 60 instead
87      $mins = (int)(($end - $start) / 60);
88      return $mins;
89 }
90
91
92 // filename of the download
93 $filename = "flight_club" . date('Ymd') . ".csv";
94
95 header("Content-Disposition: attachment; filename=\"$filename\"");
96 header("Content-Type: text/csv");
97
98 $out = fopen("php://output", 'w');
99
100 $flag = false;
101
102 $nameColumn = array("Role" => '', "Type de vol" => '', "Date de départ" => '', "Date
   d'arrivée" => '', "Démmarage moteur" => '', "Moteur coupé" => '', "Modèle d'avion" =>
   '', "Immatriculation" => '', "ICAO de départ" => '', "ICAO d'arrivée" => '',
   "Catégorie de vol" => '', "Mode de vol" => '', "Nombre de passagers" => '');
103
104 $db = DBConnection::getConnection();
105 $result = "SELECT `Cd_Role`, `No_Flight`, `Dttm_Departure`, `Dttm_Arrival`,
   `Tm_Engine_On`, `Tm_Engine_Off`, `Nm_Plane`, `No_Plane`, `Cd_ICAO_Departure`,
   `Cd_ICAO_Arrival`, `Cd_Flight_Type`, `Cd_Flight_Mode`, `Nb_Passengers` FROM
   `tbl_flight` join `tbl_user-flight` on `tbl_flight`.`Id_Flight` = `tbl_user-
   flight`.`Id_Flight` WHERE `Id_User` = :idUser";
106
107 $query =  $db->prepare($result);
108
```

```php
109 $query->execute([
110     ':idUser' => $_SESSION['userID']
111 ]);
112
113
114
115 while (false !== ($row = $query->fetch(PDO::FETCH_ASSOC))) {
116     if (!$flag) {
117         // display field/column names as first row
118         fputcsv($out, array_keys($nameColumn), ';', '"');
119         $flag = true;
120     }
121     array_walk($row, __NAMESPACE__ . '\cleanData');
122     fputcsv($out, array_values($row), ';', '"');
123 }
124 fputcsv($out, array("Carnet de vol de " . UserDAO::getUserByID($_SESSION['userID'])
    ['Txt_Email'], "Temps de vol total : ", computeTotal($userFlight), date("d-m-Y
    H:i:s")), ';', '"');
125
126 fclose($out);
127 exit;
128
```